Aviation Jeys Medraw-Hill Publishing Company, Inc. Oct. 1, 1945



Ryan's Fireball Off Secret List: First plane to combine jet and reciprocating powerplants is than Nawy fighter, demonstrated last week in Washington and San Diego, which already has secured an important place in Naval aviation. Ryan engineers are utilizing production experiences in developing other new planes, (Story on page 8.)

Warplane Buying Trends Indicate Industry Benefits
Navy seen ending its aircraft production program; buying agencies to get greater latitude in
sponsoring research and development.... Page 7

Fireball Demonstrations Unveil Navy Jet Plane
Ryan fighter powered by first combination of jet
and reciprocating units is highly maneuverable,
fast climbing craft. Page 8

RFC Surplus Air Plants Report Indicates Usage Extent to which war-built aircraft facilities will continue exclusively aviation production left specu-

lative.....

Shipping Firm Air Role Is Hawaiian Case Issue
Matson leads new argument against denial of
firm aviation operations, hearing also
marked by pleas for added service......Page 39

.....Page 32

2.5 Horsepower per pound

IS THE OUTPUT OF THIS

ICKERS HYDRAULIC MOTOR

PISTON TYPE) CONSTANT DISPLACEMENT



This Vickers Amends Hydreule Mater weighs only horsespayor at 3000 nal and 3750 and But a buck harmoneurs / which ratio a red the only

advantage of using Vickers Hudraulic Meters for deliverno rotery mechanical motion on many aircreft applications. These hydroxiks metars sove space as well as weight Starting and stolled torque con be higher than operating targue if desired. They can be stopped accurately to pecifica . . . no chatches or brokes are required. They are used for dynamic broking and can be stalled for long. meriods without domone. These budges is mores as \$600 asi-

con be worted and stanzard expectly due to the very law ineeds of the maying parts. They cause no radio interference. Reversal and accounts one wel of speed are very samply and easily accom-

philed. Vickers Aircraft Type Hydroulis Meters are whenenfly simple and supped; they are could ble is a wide veriety of models for agenting pressures up

VICKERS Incorporated . 1404 OAKMAN BLVD. . DETROIT 32, MICHIGAN

Engineers and Builders of Oil Hydraulic Equipment Since 1921

THE AVIATION NEWS

of the plant.

INDUSTRY-AAF MEETING-Both the sircrift

magnifecturing undergry and the Army Air Forces have

lagron. While it was nanosanced that problems facing

new roses of sixtraft, readbounces and disposal of

som bassies sodes her seampispe has render referre

ten would be discussed by industry leaders. General

Arasid and other making officers, printer group has had now public management to make of the results of the conference. At a time when both see seeking

that the nabilic was not let in on at least the earlines.

FORTIGN SURPLUSES. The proposal of Reconnemon Director Sander to men the disposal of fee-

eign surpluses over to the Soute Department, so be

traded off in ours for commercial and us traumore

over to the hard-pressed smaller nations in Europe.

national course. It would also draw process from

other allies who would have to pay a reasonable reice

he wanted for sound in Washington chinking.

Washington Observer

MILITARY TRANSFORTS-The disposition of bradeds of millions of dollars worth of military sir soon will be obsoless and they are more inspersed in sequiring only a limited number of planes for the present emergency, and only then under autractive

DISPERSAL-Buggest stambling block in the way of aposely desermancion of post-way military sixtrain tied about possibilities of future somic bombing and lesser velume production expected.

evistion experts flutfooted. As yet, they have evolved INDUSTRY-WIDE-Accouncil between the sixno uniform policy for the diarent of courty air bases craft industry and the AAF can be expected on the subcontract phote of the problem. But that will still leave the encurum braduche: the fact thus it is inpossible to disperse only one industry. To achieve TOKEN PAYMENTS-There is said to be some AAF's full dispersal objective, it is printed out, would and China for token payment. There is use to be a

NO BARGAIN SALES-New price scales for pardas PT's, BT's and Cosmos (Arservo News, Sept. neitres. Registed cases were still being durated to Reconstruction Pinnace Corporation last week, but indicarons were that present criftings would be kepe,

tage rights as those countries. Action on this should



WASHINGTON OBSERVER - 3 AVIATION NEWS a October I, 1905

Tansen

COUPLINGS for Industry

economical production in order to meet

stepped up considerably and towings in me-



1284 E 926 STREET - CHVILLAND M. CORD

AVIATION NEWS THE STAFF

Consus W Fron Politica C Scory Housey . Mesaging Silver RAYMOND CROSSES Trumper

CONTENTS

THE PHOTOS

News at Deadline

New Port O. Stallang speed requirements for

quirements in this respect, the rates of climb that follow CAA recorner-endotions Main effect at recreal contenders (Aviation News, Sept. 11).

Kew Martin Plane

A new passenger-cargo plus traffic density reades has been announced by the Client L. Martin weath 28,100 posseds, is a lowcastilever want and tail surfaces. fully retractable tricycle lauding Wright Cyclone engines. Wings landing gears, tail parlaces and tic's recently amounted Model 202 transport, which has persenger expacitly of 42, is designed for medium distance and high density tradic russ. The new Model 22A, bas a minimum turn-

Sommers Resigning

offered a foreign post in Germany with CAA, which he had refused. other assignment for him 8000



and countr-rotating propellers at both case and till. Medium-range version under construction has districtiven peopellers at the rese said two Allison cogines in the fascings. Douglas believes that installation of two more engines tion with the same 34-passenger lead. Two other versions in which Westinghouse set units would be added in the wings to increase speed also are under Paper Astract serce Sept. 1 has been producing two Cubs a day each five day week. Company is completing about 70 Cales which were on the line

when the war ended commercial production. FCAN's Economic Bureau will organize an operations division shortly to surface causticits and agreements. Edward A. Belatte is expected to be its head He was chief of Aircraft Planning Branch of WPB, was an economias with

Morban of Air Transport Association have called a joint meeting of ad-Beeng Works for marked up a face-place, key was proceeding for the

cipal ebjection is production costs. At £,000 phases a year, sales arise would be at least \$7500 to \$6000. The plant will pendacy Storage's recoverages, hashwing, 20 passenger transport, however, Managem payland of the new Model 263 righ, crossing 200, range 1,000 swim Tricycle gear will netract fully iess the fuelage. Top-rule operating out will be 10 12 costs. The place is still at work on \$5.25; and military foreterroises

Counce Yought EGUA contract to 622 at 21 a recent. Market's PRM 5 read Prospect for Hamilton Standard Propellers for the New Is for an excessor from the present 75 propellers a meets to \$20 by March and 200 a movel-

▶ Lár American Airkans, United his requested 50 surplus Douglas C-54's from controppers efficials. American plans to use a mamber of these planes for Charles Babb's Glendele, Cal., company is modifician a Lockberd Ladeaur

* Bueing Aircraft officials have been told by Ted Law, president of Aliskan Audines, that he consequalists purchase of Strenomours for service between

this description of CPFF con-

the warting CPFF contract has

counting Office's requirements as

to cost rastifications under war-

Consequently, the Industry

ast of 1836 the type of contrast

of allowable costs by the Internal

cent of the contractor's costs in

Pretatype Practice - Under the

Air Corps Act, the cubinet officers

seemingly were permitted to

Needed in a Sky Strong Nation /

American Bariants and the Arrendt Already musty plans are under war

W. ...



AVIATION NEWS . October L 1945

Warplane Procurement Trends

Indicate New Industry Benefits Navy seen ending its aircraft production program; buying agencies to get greater latitude in sponsoring research and development; cost-plus-fee basis believed peacetime policy; Army plans ready for Congress.

By WILLIAM KROGER

Precise policies are still in sent to Congress this month. Have-

Corus Art of 1920, or averaged. • Research and development con-

subly not under that label, with a rages careful predetermination of cents than beyetofere, The Army, and presumably the with chances good that an underand operated experimentally industry and the Army procurement officers met lest week at raboot. From the discussion was expected to emerge Army reconmendations that will go to Con-

It is believed that one of the principal proposals will be for AVIATION NEWS . October I, 1965

In presenting some of its post-Naval Affanos Comunicaco, the Corret Act of 1924 which corpwas catchlished to affood a yardstick to aid Navy in dickering L. Sallivan stated, "the awareh each a swedstack is no longer required." Further, declared Rep. nesses in the act that the industry would like to have corrected the act, planet can be produced Navy's plane, as explained by Atuntara Secretary H. Biruve Hereol, envision approximately Secretaries of Way and Nevy the 12,000 planes, 8,000 of which would be in active duty storas The industry would like to be

be small; 2,000 new account. Turbine Tunnel The Massachusetts Institute

Dr. Jecome C. Hussakus hand of the departments of

give evidence of being the next step in the evolution of power please, comparable in ya effect on technology to that of the chara burbear of the turn of the overture. Station to he taken up at the new MIT

BEADLINE NEWS ... 7

Fireball Flight Demonstrations Officially Unveil Navy Jet Plane

Ryan fighter powered by first combination of jet and reciprocating units to answer naval need for highly maneuverable. fast climbing craft; shortest turning radius of any comparably fast ship claimed.

By SCOTT HERSHEY

The New has finally taken the ward of the leading edges of the The canopy is made of molded, put through its pages at sirealtuneous demonstrations in Wash-

The new plane, conventured in Prior Facilities -- Interior of the formance has already been transwith the PR-nee possible. The Militade Range - The unique

power combination-Wright Cyand a General Electric jet propul-The Firebell was an answer to

> 'Coast' Air Voice Mayare of even major West

speeds of any modern fighter

a single-engine auralane, a conreproplane with a tricycle land-Streamlining - The Frebull is A Surratures - The telement Ented at 1,339 horsepower, the

fuel, it makes possible a range of 1,500 miles, with douppable tanks. gine slone gives the Firebell is speed of 320-mph. The engine

bell of approximately 300-resh-Like all jet engines, its efficiency

either wang, or two 1,000-To The Fereball never saw combat.

AIA Council Slates Varied Air Topics

Office of Flying Safety, represen-

in flight testing new nicoraft for

Navy's Fireball Blazes New Power Path Features first let and reciprocation environ combination









New RFC Sale Drive Shapes As Procedure Is Reorganized

Approx reveals nt-date alerraft disposal analysis and litting as dwindling market and growing inventories force action to unload surplus stockrille; pext three months called critical.

Already RFC has granted disrender, show that RFC sircraft

according to Surplus Advantativator S. J. Symington Before that, FLow Scium-However, the \$94,generally speaking, there were more buyers thus merchandas. represented only five percent of Within 90 days of Japan's sur- the value of inventories-\$3,060,-



23.0°C, with four RMW rate, or always based benefit on the settinesable



FUss and Downs-There was a

School Sales

Sales of surplus sircreft to schools under RFC's educationhornber Sence Aug 15, the Unreceptive of Southern Cul-

nones. RFC has two responses

\$18.471.656, which was more than All of the planes sold were

totaled 25.388. After salvage devalued of \$974,528,357. The fi-

\$598,888. Now, BFC has the remr sold. Of the 3,115 PTh, 45 percent, or 4.0 kl, have been sold Fow Itsuse planes remain to be

medium transports, DC-2, and

Northrop Post-War Programs Outlined

test enrice works to concertbeen given by LaMetto T Coho, Dollar Hacklag-The company works in the next few weeks,

which will keep amendly lines The company's Northcop-Hendy Emerimental military alcoraft

duction, now ending, will be re-Freundry Profit - Northean's foundry enterprise, already in

day period enting Aug. 15, with The reduced RFC's stock of linear planes to 229 on Aur 15 PT sales

DOUBLE' MUSTANG XP-82

year competitive situation promptand some designing and produc-

"More than half of this is for

fighter, an experimental "flouble" version of the highly reconsful P-51

Constitution Test

cember were premium

bingir are Pin American Acception Accipton Royal Dutch Apriles (KLM) and



ME 1438 - rocket interceptor

5-267 code number, rocket poson

ME 162A ... int doller

Secret Nazi Planes Unveiled By British

The lift was coming off some of

A 560-mah regiest interceptor.

speed of \$55-week, at 20,000-ft

Descripted by a code number or overlay to the ME 160. Many

AVIATION NEWS . October 1, 1965



at that time. When the skid is

time Washington It was establashed by the Secretary of War on

Joint Aircraft Committee Ends: Board Continues

Feereds Shift-Abelians was anthe ME 183's Mileron ton and Secretary Stresse to Lieut. Gen

Too speed of the craft, 535-mah.

utes and the takeoff run is 1.000vds. A run of 655-vds is made JU 388K-1

ME 252A A 525-mob fighter, thus could us Richard H. Depew

scomplained with a small Riesel Heads RFC Plane Unit

Appetetorest of Barbard H

Depew, Jr., so chief of the air-

medifestion of the JU 288, were 23,400-ft to 28,469-ft Lowest

used. Jumo or HMW powerplants Surplus Airfields As in all versions of this ship, Regulation Ready

The Joint Averagt Convention.

vices, presented Congrum Seures major bases, but now will con-Navy will continue using 166 furtifies. 94 major establishments.

In what later seemed to be a premature disclosure, John W.

ANLC Transfer

To State Planned

Also a farter, it is believed, in military operations, has passed

AVIATION CALENDAR Oct. Service Committee, Providence of Lorentz Committee Committee

Oct. 4-5AE Southers Collection Stories.



12-HEADLINE NEWS

PRIVATE FLYING

New Lightplane Market Trend Emphasizes Modern Salesmanship

Aeronca and Piper adopt programs to improve selling technipure: special training courses set for distributors and dealers; product's presentation called key to increased sales, improved public reaction.

By ALEXANDER MUSERILY

which may regult in increased

Lynn Sollinger, Harvard avialittle ettention has been paid to

Chicago, an officers of Avintone In addition to the correspondence course training, personal

Prior to offering the course to its interview, and developing sales F Course Stant-The courses are





FIRST PRODUCTION LINES: narrows stages of completion on

Airpark Cancelled

Pattern to obtain "mertable equipment" for the proposed

when he reputable Airports Adopting Business Principles

Tobles Turn-All these features upon an expedition, will be on a

systemed armort project of John C. Wright, Aeronce dutributer of



to start immediately. Approval

Wright, call for cettages with ad-

ing, the clean lines of which in-Air 'Campus' Expands there and will also provide club-

of Agronautics at Senta Maria.

struction in a School of Account-For campus ground school inbought, under the RPC school disoffer a two-year certificate course

Commonwealth Bide In Landplane Field

pescetane market despete peror

compariment handle the 470-tin-

two-coatrol, spragroof, all-The omygreement, made Bearwin Original-Basis orier to balance on monthly payments, plus service chards." "Within less than two months ofter VJ Day you will

~~~~~

Erroute Price

First annuncement of a re-

difference between empty and pass. With standard comment propeller. Spen in 34-ft., length



By Lond or By Sen: Communicative Aircraft's Trimmer amphilum is

### CAA Advisory Unit Sets Parley Agenda

uled operation among subjects

and safety regulations governmen

Other items on the discussion

### Top Airport Prize Goes To Howard

the \$5,000 first prize in the zn-The National Aeronautic Assecommittee headed by Robb C

New Jersey. Howard won the Differ awards included around \$1,000. Horney & Schiften, and

struct needs, thurs, \$500, the Gratten English, San Francisco, R E Flynn, Miami, R J Reed Okio, Ewerett W. Hogan, Minchell, Neh., Reigh T. Zook, Brudford, Perro, Francis II Messel, St.

NATA Dissension



Several Indications that the

tion Trades Association, and in many ways have been subordirated to the larger NATA gather-

ADMA Provident Toro Dancero in

calling the convention is los home

### Student Pilots Cited The last two sensed meetings In CAR Violations

Record varietiess of Clerk Air

chical of letter or site and soften (a) real-source-shed for site smooths. THE SHARE SEE AND ADDRESS OF THE PARTY OF TH

# Worthless" Airports

aconnectical immerter and con-Instances the fields were built ture conditions Only surport

Warning!

### Careless Piloting Cited In Accidents

18-PRIVATE STYING

# Briefing For Private Plyers and Non-Scholaded Assistan

Testercraft Aviation is assuing at large-scale production of more than 18,000 clumes a year, when it correlates present place for improvement its asserably lines. Overhead conveyors and other equipment and proin various stages from primary to fruit namembly,

BELLANCA LICENSEE - Northwest Industries, Ltd., Edmonton. Cranda, has been licensed by Bellunes Alexadt Caro., New Cartle, to build Bellurge designed planes for Canada, Alaska and for expert. The Consdian company has already started to build five Bellance. "Nkyrockets," and also will build "Aircrainers," both types which have been popular single engine cargo plones in Canada and this country. Engizes will be imported or purchased in Caracle, and the first plane in to he completed about Jan. L. The Canadian company made no mention of plans to build the "Crebssir," triple-finned, four-place Bellance personal plane which has been subject of grack favorable comment

PLANE HAS IPPLETY FOR EDITOR-As article in The American which would move me value of the pinne, and unger the importance of

ONE COUNTY-TO ARRESTS-A resider when for developing 19 editional almosts, most of them around fixing fields, in him Direct connection with forecal aureout and bills now according to Congress and title as \$11,000 each on two of the Sekis, to \$251,000 for a more elabor-

WARNING TO STUDENTS-CAA sounded a worsing to student effets but week to howers of the penelties attached to correlar manservers. Tuesaty-for student pilots who violated regulations by carryter passengers in their player last year, had their cretificates revoked by seder of the Civil Agronautics Board. Seriesmans of the violation is attracted by CAA because it indicates that the student is caseless and has discrered for the layer and safety of others.

CAR PROBATE, Puckeling mann of modernt to a stell during a low hors to strong tooungles wern during prolonged discord

AVIATION NEWS \* Occuber 1, 1965

Continuing the peacetime tradition on which BREEZE was founded



munications for commercial, as well war reputation as a magulacturer tention Shelder. Flexible Condult and Electrical Connectors, was years by the performance of these arrobacts and of Boreas Castrides Engine Starters, Tab Controls, Arrest Plate and countiess other Breeze roetlalties - all of which made marked contributions to the Now that the war has been won. tion for peace confident that the products, which made the Breeze

world over, will nace the progress of

OUNDED IN 1924, Breeze

Corporations was a vital factor

Corporations Inc.

AVIATION NEWS a flexbar I 1945



W/HEREVER men fy-from 50° below to 160° in the nun-tack & Heiner starters have set completely

new standards for shear stanting. Remning long past normal service periods under the toyabest conditions imposed by war, these powerful compact lightweight units literally outlast the engine they start . . . and in many

Starters removed at engine change have been expeatedly reinstalled with only a change of brushes. Usually even this may be unpecessary for since the beginning of the war. lack & Heisez research has increased moreer brush life from 500 to 17,000 cycles of operation.

Such performance - all a matter of record - has belood keep more places on the skyroad to the victory that is now ours. In peace, it means greater safety, longer service

life, lower costs. The great new starters that have set such service

records are now available for use in civilian aircraft. If you're interested in cutting maintenance costs in your business, write us for complete performance data today!



Jock & Heists Inc., Cleveland, Ohle, Manufacturers of Aircraft Engine Starters,

### 'Packaged' Training Set By Air School

Literally "wrappens up" forter

Parkage 1, offered by the schools bectares with free matraction flights. As in all, the cost of one Freinge 3, \$90, beings the stu-

Package 4, proced at \$353, which you from the ground into a comfrom \$10 to \$400, are then placed



'Ground' Ten Pilots

GE LANDING LAMPS:

Broder Plot Alte Albert Lundweit for Bring as allowed over a computed gray of highlas Mans, at less than 1500-th, and yilly in a pretains that departure manion is rings at a group of others shilled as May to the Auton command CAS seepen to Hill 181. Auton command CAS seepen to Hill

Seeks II S. Technicions

a new door for job seal opportunky scaking American systion Spenional through the J. P. Ruta Brantino government's Socoto traumer ceptor, the South Ameri-

referry piones, have been eneducation program, the Mings.

### Rural Air Oscries

Flood AIA Council are used us peers. The smaller alonger loading speed of the plane, That Worse Wartelly near Valley Alexand, East, Word , New L. 1986 ristion, William T. Piner, Sc. council choresan, has appropried your town on the air man", "ar-

Post-war flight planning were

# **Ready: Collins Transmitters** for airport applications

### Collins Autotuno Transmittors

IN DESIGN AND CONSTRUCTION the Collins Autotune transmitters, shown below, reflect extensive laboratory and field research, and latense engineering endesigns, both before and more Bearl Harber. The

The Collins Autotune is a repositioning mechanism which quick-shifts all tuning controls signaltuneously and with extreme precision to any one of The standard models are crystal controlled, and special models are available with tupable master

The renowned Collies of network matches into a mide pariety of single wice or vertical automoss. The 231D-15 elso marches lette a 690 shee balanced transmission line from 4 to 18 Me-Frequency shift leaving is available, making it possible to use these transmitters in printing tele-

Your inquiry is mosted. We will be glid to make recommendations for your particular applications.

### Collins Multi-channel Transmitters

THE COLUMN 1000-C 2500 wett multi-channel airport transmitter shown at right, below, provides an ingraious balance of quality, efficiency and occur erry. The rudio freezency calcust contains two vertical r.f. sections. Each section can be used loter changeably on two changels located anywhere withis 2 to 10 Mc. The cust per section compares with that of conventional single channel sections. The cost per channel in thus cut approximately in helf. exercise are there'ere available in a single cultivat. The College STRA tremounter shown at left, be

low, is a compact low-powered crystal controlled switch actuated by a single panel control









### PERSONNEL

### Corwin Replaces Nesbits On ADMA Directorate

C. L. Corwin, sales reanager of

### Fred H. Grieme Named European Air Advisor

Penie joined Republic in 1999 as as-E. A. House, Jr. has commed has no-

ordination of Europe's post-way ayl-ardination of Europe's post-way ayl-ation industry with U.S. enferts J. C. Brawner, constant to the area.

Mondy I. Peals, formerly vace-areal

personal pluse sales, wilriery con

Leroy D Keer has been appointed strument division of Bendly Avis-Karl F. Lunder, until recently a

sion. Lander joined Pan American emercially in 1906, and was among

Thomas Miller, freezerly stoff staintican for Choose and Seathern

in charge of all

### Mid-Continent Elects W. L. Walker Treasurer W. L. Welber, ferror named at

rran transportation official, has been traffic manager



Louis S. Kelly has been named as-

Am Wales has left Facohold Au-craft Division of Facicide Engine &

tion editor of the Gottlend Part-

Charles H. Bakb, head of the micetracts, exports, service, public relations, publicity, advertisant and

Frank M. Potts, former St. Loss. inge, Inc., Perks Accordit Balon & Service, Sec. and Parks Ar Trans-port, Suc He replaces Fresh Maker

Juney W. Adams (photo) has been



Marragan or furiory supersylenders dated Valtee Aircraft Corp. Magand Convoce. Felker was widely known as a designer of racing part Robert Wilson has been avenieted

AVIATION NEWS + October 1, 1965



courses. Designed for combat, this great fring

OH LONG SEA STATCHES price of PV's arm. FROM PARAMUSHED to the South Store, PV's have bestood James or both the



AVIATION NEWS a October 1 1005





### AIR FORCES

COMMENTARY

# Longer-Range Bombers, Airbases

Believed Key To U.S. Protection Majorepance of AAF installations here and abroad seen as viral adjunct to Navy plan for reterrion of major bases in Atlantic, Pacific; new ships expected aloft within year.

(even though headwards over without refusing), emphasizes

Present Bange - The officeive

rangement in Lockhood's P-FF Shooting Star jet fighter plane, only carriy Council polytics

AVIATION NEWS . October 1, 1965

States should have permanent built military air bases in the



service perfection. This same reposophication.

design and performance requirements the Perker organization has unnery, 17325 Earlyd Avenue, Glevy-



AVIATION NEWS + October 1, 1945



MASO SUPEWAYS? She Fire Designer Std Tire

CARRIER DECK ? Det 2's a Goodpoor HOLE PRESSURE

# What kind of "LAND" in your LANDING?





# **Get Goodyear Dependability** On Every Surface

TN the world's largest and most complete line I of airplane tires, the Goodynar line, there's a rice especially designed and built for the kind

Take the Ice-Grip. It required exceptional skill to design and produce this now-famed tire that covernmen alexands skinkling beauteds, but Goodyear had is. The Goodyear storebouse of per-building ruleses solved the problem by moldian irro the trend thousands of fine seedcoil appings that here into solid ice, yet flex with the rubber

The skill that did that job has done many others - low-persure tires (Airwheel) for aresser foidewall construction for better service on carrier places, and others Goodsons riess are made in a water eases of types and since from the smallest of nourwheel and collebed ones to giants far talker than a man. so have they warrant consideration of helium inflation to save air-weight! Best proof of all of

the greater quality, safety and dependability of Goodynar arrplane tires, is their world-wide use on all types of aircraft from light tesiners to superbombers and transports. For full informanon, please write Goodyear, Aviston Products Division. Akern 16. Ohio or Los Angeles 51.



GOOD Y EAR AVIATION

### FINANCIAL

### New PCA Debenture Offering Highlights Proven Finance Plan

Proposed \$10,000,000 convertible income usue based on proctice of "liquidation" through conversion irro common stock rather than by retirement; to finance equipment purchases.

The proposed offering of \$18 - 127.465 shares of common. Yers 993.660 in correctfule means ner share on January 15, 1945. It not to have followed the correct-In effect, whole a server usue is Another Case-United Air Lines at the end of 1943, insued 193,032 of 75,930 shares of \$1.25 convertthis preferred at \$25 per share While the units was efficietly called for retorment at \$27 per share on May 15, 1944, actually among the air carriers was in 1906. Constituting on redebinteens debeatings to Assisting Corn. The letter, in turn, provolutely sold around \$60 as contrasted to the \$27 A Project Wine-Park \$1,500 deburn-Brularly, American Autires isused 50,000 shares of \$4.25 convertible proformed at \$192 a share stock, it obviously become more on October 16, 1940 This stock profitable to convert the schentures rather than awart their remon stock at \$71 per share or tirement of per. Today, the origi-1 3/7 corresen shores for each nal holder of a \$1,000 deberoure share of preferred held. At that

stock was so low as to make the

However, the boom in suring

equities reached such proportions that at the 1944 year-end of war

found that 44,618 aboves of per-

ferred had been convected into in the interior.

George Watte president of Jrvthe sum of \$90,000 for his services fiscal year ended Dec. 31, 1966 secondary to the company's serve-The only case where convertible Other salaries included \$42,000 which \$25,000 was paid by the & Sales.... The Overseners's statement of \$4.456.175 in 1966 Cost of sales corne arrowated to \$559.414, and were extedied. Net process trans-

ing for the two-far-one split of Lockbood War Dividend stones of American Airlines ownmon with a market valuation of stockhelders by a first "war fivecluding all cash drysdends received dend" of 54 cents per share of capital shock as of record Sept. 25

This is not to require that the same pattern will fellow the rece-

ent PCA financing. The very fact that the issue is a convertible

debenuare calls attention to its

a prospective investor. A senior

enterprise prove raccessful, am

average of participation to the profits is provided by the occuer-

mored that a sensor usue despite its conversion right, is of little value of the company is unsuccess-

In the final analysis it must be

Irving Air Chute Files SEC Report THE BROWNS TRAVEL BY PIPER CUR ... FOR SAFETY, SPEED AND ECONOMY!



SEND FOR YOUR "NOW

TO FLY" BOOKLET TODAY

feetable and picture of the hone

Annual of Spine Only 50 150 April 1916

IS YOUR TOWN READY TO PLY?

PRINT ROOMS, "What You You

North Readed, "Bring Your Trees." North Str. the Country Air Apr. 1804.

And the | Per pair and surprise | less

PIPER AIRCRAFT CORPORATION -- LOCK HAVEN, PENNA.



### PRODUCTION

### Surplus Air Plants Report Indicates Commercial Usage

Extent to which war-built aircraft facilities will continue excleavely aviation production left speculative, however, by analysis of first RFC disposal disclosures; many sought by other than wartime operators.

Prospects that the event wartens Md. plant of Environment & Re-

porely agronautical production Of majority being encorpored for by cost, \$3,070,992 proce, \$3,550,093. Frotal Cost-The evision furtitrost, cost \$5,272,002, price, \$5,tics included us the BFC report 315,850

201,506. Total procedured in air- vacchand by firms other than the born estimated at \$3.445,000,000. Kelleryan facility at Board arrestor. producer This is the Rivertale.



Constructed of isphinrophi alamana alloys such as used in arreredt. and designed by peronautical engineers, is this experimental refrigersouter Corp. It weight only one-half as such as standard trailers.

cost \$43,079,047 to brill Laurest

have leased a wartime facility

Secreta, Fig. Total cost of these

AVIATION NEWS . October 1, 1965

# Here Comes Essair!

# Phillips Hails a Bright New Star in Southwest Aviation

WANT to min up surling... hate a guy who talks like that-particularly when the eur is a person like Bill Long, president

Essair, as you probably know by now, is the new feeder fine "flying the range"-Amarillo-Lubbock-Abilene-San Angelo-Austin-

Headed by a group of executives blessed with an unusual pool of Long, are going to be a mighty im-

And nobady'll be any happer Phillips Aviation Gasoline powers their ships. If you think a pretty good tip-off on a product is the use it, we're plad to have you know Essair is on our side. We've corned at, Aviation Department, Phillips Petroleum Company, Bartlewille,



I fairrest Blick - More than one company was said to be interested Each of these companies has stated its desire to continue oper-Material Low-While RFC re-

plant at Marsetta, Ga., and the Tules, Okla., plant of Douglas.

Contractor Claims

Speeded By Navy The Navy, since VJ Day has tertracts revelving more than \$0,300 .tracts and \$220,004,000 Office, of Assistant Serretary H. S. Benuch

"Deadline" - He urred every and they wanted every possible

DOL. 15-Terremetion clares to Navy Material Inspectors and

Dec. 15 - Final settlements reached by Contracting Of-Hensel reported that the Navy of 6.500 under orders to expedite

By the end of the year, bywever, gathonal paths Purpley, the carepersonnel through dersobilitation, with mentalized fatures for mutalof reserve officers, Thus, if con- latten in a plane to photograph. 14 -- PRODUCTION

NEW ENGINE CONTAINER

turns on military acroraft, new tractors delay the filing of their clittee beaund Oct. 16, the Navy

### Radar Recording Camera Disclosed

AVIATION NEWS . October 1, 1945

instrument performance in florid equipment. In laboratories, the camera can photograph the pho-

### Extended Plant Lease Sought By Republic

Bezublic Avistion Corp. is neco-Fred Marchey, prosident, said already more than 4.000 workers

B-29 Transport

The War Department has re-In a recent test, a 31-39 carseven days and 4.609 gallent of guardine, a paylond of ap-Mrs. Rulph C. Teall, a flight

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Hr. L. A. Higuest. The General Tire & Subber Or . we believe that General's pieces; makes policies are helping to build better ground service to Team and are beiging the value selection Dervice Industry attain a real standing 41 TERP Populari

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Anne Riccoll Series & Sport Authorizing a Class of Seas Standard State Season S Scholer Lingsty Die all Refesion Language Die all Scholer City Units Scholer City Units Scholer See tes here Atrust toppies be Hiterretia Man. Supply Division Ing. Standing April Service Supply Division has Substitute Ho Arterior Green Corp.

AVIATION DIVISION . THE GENERAL TIRE & RUBBER CO. . AKRON. OHIO

AVEATION NEWS . October 1, 1945



### NOORDUYN NORSEMAN V:

Reconversion Gap

While Desgles Asseraft Co.

a Dendiène - Bemablic's de treeries will begin in Decem-

# Chandler-Evans Vacates

Three War-Used Plants Drawing back of the Chundlerutility glider which is espected to tober. Others will be a utility suit-Niles-Bonent-Pend Co. at West plane, a high-performance twopince swipling and a single pince

Along with Prott & Whitney, Chandler-Event is a subsidiary of

Planned Move - According to degrable to concentrate activities

# Schweizer Sailplanes

### 'Coast' Air Jobs Ser At 40,000 Forty thousand workers in the

expected to employ in the near

DEscriptorest Chart-At its peak. the Bouthern Colifornia curfrages

of 90,593 was based upon the nannanananananananan rational past-way busyess He velops. He made no guess on to

### when the rise sought busin Packard Reconverting After Air Engine Task

Newsy 55,000 Bolts-Stown orto chrobad until 42.660 mersons word Along with a cruising speed of 130 M.P.B., 700 miles ice reilliag of 15,000 from the Suift gives you hardien speed at low at 42 M.P.H. with the ability to get in sirplane ... plus aless enhiness and simplicity of control Historical booklet on request, Write to P. O. Box 4277-V Fort Worth 5, Tenne



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MID-CONTINENT PETROLEUM CORPORATION

TUISA OKLAHOMA

### AVIATION NEWS \* October I, 1965

# TRANSPORT

### Air Role For Shipping Firms Becomes Hawaiian Case Issue

Matson leads now argument against denial of steamship firm aviation operations; hearing also marked by pleas for added service to islands: area formula, certificate increases considered.

Approxis for plan statements of duty to counter correlation of Civil Acronautics Board policy Sectife brecessly for additional same time, to the position of

Perticipation in air transports-Application of the area formula. Praymon of compelitive service.

sir route between Henolulu and the co-terminals flan Francisco July 23). They recommended dereal of applications by Northwest Airlines, Western Air Lines. Playerson Airlines, Maison Navigation Co., and the Ryan School

a "new and improved" type of transportation service combusing one way by ship with one way he are contended that derest of ground that it would favor the Basiness Areamont-M E Harrison, atterney for Matson, as-

\$3.500.000 or aperation by mare

chard of ring of the Air Transpert Consessed, will source to the near options are G Fivon Jr. and William Let-

Export Successor

nusced Investion of Amer-

American Airlines has an-

pland must of 380 miles stated to depart from your established policy of building up small lines?" Western Air Lines, through

CAB intended to maintain the lance, backed by the Ports of

andson, on behalf of NWA, told Policy Plea--- Arguing for certifi nautics, John & Wynne posterd

Ryon fit, willing and able, allegal questions involved, while Allon Briggs, for the Maritime. its certification on the grounds it petition required or fird the ser-Balance-The question of mainservation by the board, in a prevismall carriers was presented by Havolian Airlines and Western Air Lyses. Leslie Craves, for persented a policy problem that should be decided, in the restord case, in Byer's favor, lest future prospective new sirkness also be

> United's crernel, Peul M. Go-The company promised that its travelers at lower cost,"

### Dozen Airlines Boost Schedules In Preview Of Peace Planning

Service resumed at some points skipped during war; unfilled route authorizations get promise of early utilization; trip additions pour in on nationwide basis; scattered currailments are few; international operations also increased.

A description of the description stepped up their services last gursted nataton survice between month in a previow of continued increases expected as additional out it. There were horsewer, a

Pan American Airways increased Fort Smith and Little Back on All American Aslation added

tween Pittsburgh and Philadel-American Airlines added one round trup daily between New

Braziff Airways manufacted

Ensiern Air Lines added four TWA added round trip daily Inland Air Lines, submissry of Mid-Continent Airlines insu-

Francisco and between Derver

Pan American added a count top on Sundays, Tuesdays, Wed-

rursted one round trap duty to National Airlines added one round true daily betseen New Narthwest Airlines orbins one

to provide direct flights between CAB to remove restrictions under

Pennsylvania-Central Justined

Contracts-Desurie military con-AVIATION NEWS . October 1, 1945

C-69 Deliveries

Start This Week

New Bayer-One name has been

corgo flights, and to Calambia from Western-AA Joins In Freight Venture

November. Freight Opportunity-For WAL it offers a branching of an am-

us has at the Lockhand Arreval start Oct. 1, with the first units going to Transportizerial & Westtract terminations, Lockhood's

It may be assumed that the production operant for the P-81 interline air freight compacts. truor, P. VI Harnows, patrol bombb Base Bange - Western's freight



AA at Los Augules for shipment



TWA Steen for "Constellations": Largest single contract enverseed thus for for Lockheed Countyllations has been reped by Transconti-

60 - TRANSPORT

STRAYOCRUISER GALLEY: Personners on the 116-seet Some Stretocraper upuald be served from

shap, a commercial nersion of the C-97. Work rables cushoard source

TRANSPORT - 41

freight operations to take in all Size Lamb-At the outset West-

### Virginia Air Service Applications Postponed

ustd April 1, 1946, nonlications

### Airline Service Thecate Arrive ability to offer the web-

are threatend by two major diffistates to pule state restrictions on and air transport. Troton ad-

GREAT LAKES CASE have F Canal with the speaker inc. involving about 70 coulosfour-day meeting of the Air Traf-

### U. S. Gains Airline Advantages: Netherlands Signs Full Air Pact

Dutch action soon placing American air transport in hetter European position than Britsin; new adherence to "five freedons' ideal believed possible lever for liberalization of Empire aviation policies.

The Netherlands executment in worled the Netherlands decision tional Air Transport Agreement

Scotland, England, Denmark, Narpick up and dasharps traffic at \$ Service Soon - But they added

State Department officials re-

Barrateunt Person-Not only to

more bargaining power when the discovery of some British axiateen interests, appears rapidly to

Consplexity of so-called "area

es a freedom-od-the-air advacate operable, from a political stand-The Netherlands has long op-Butuin and lend for nontrollic world. The Datch, with a large, colonial empure, see fit to adhere to the open sloss philasophy, mayish, with a large colornal empure,

will begin to liberalize their swis-Fixiosophy - Behand the Amer-

turned to support the routes. Britain, with ambitions to link the

A fur portion of Export Air-

For Airline Rights Seen

had commercially, proceed to

Netherlands to Sweden decar

rangements with Norway and

Plan To Trade Airboses

poers, but this decision is no to the War Department which is FLorand Boom - In a different America appaired in Newfoundunder the destroyer trade deal The United States has \$9-vest

The State Department is re-ATC Planes Shifted ported to be seeking un arrange-Air Tressport Comment has ac-

> recean and Mediterronean thea-July and August. The 'errorn



### PAN AMERICAN ROUTES, PRESENT AND RECOMMENDED Pan American Apparat' routes across the Atlantic (dot-doa't line). The New York-Lubes rests on Son

Jago, Part of Spenn, Below, Notel, and Sedenar or authorized only until CAB finds that it is no langer South Atlantic care (detted line). Also shown are meded by the national defence ort-up. All other

AVIATION NEWS . October I, 1945

### Periodic Air Express Review Asked For Revenue Allotments

Air Cargo, Inc., examination asserts that totals of income division between airlines and Railway Express Aixney warrant action to prevent confusion in distribution beaus.

An examination by Air Corpo. 1943 were 72.9 percent of the total. He dayson between the sources. Agency, on the other hand, collect-\* Recapitulation-For the 17-year persod 1827-1943, air expcess rev-Heck in 1927, according to an cent. or \$13.533, while Railway Et-725,100; out-of-pocket expense perception 12.1 percent, or \$4.811. study (Rudway Express Agency "Pickup and Delivery Opera-# Graveth Bato-dly 1931, arr ex-

\$142,606, or 9.5 necessa REA's The report stresses, however, Relway Express Agency need

> Ines and REA VARIAL R

the stargerous from of \$18,000... Fridge I shows are expects reve-The narments to the surlines in



COCKPIY MOCKUP: To obtare the relor's tresspored purchably, cocket heating and

in other twompy from 18,000 to of that far vail traffe, a tenfald

Among ather conclusions



# TCA RADAR

### New Iowa Feederline

Seeks Louisiana Rouse

### Asiatic Operations Planned For TCA

ocross N Adantic to Street, Chas: Domnice balls equip Coneda's government-owned

# Some convention work for Buttern Air Lines has been

Capt. Eighe Eighenhacker DC-2 type shap, at the sures

hims was revenied in Symmeter's PDC-4's Set--TUA will have Ca-



for people who want to fir," he

with Canadam products. There

First Conversion-The first DC-1

CAL Maintenance Job

Transient radition planes re-

TCA Gets DC-3: First converted Asy mysidence over civil nymbon.



# Consolidation Case

Seen Policy Mould tinent merger consideration bemaneur U. S. nirfine portern. The Civil Accounties Board's

These sources expect the deci-

OFFICERS

undoubtedly will follow Some surline officials believe that many rome party to a merger That Motron Kanna City and New

P Directional Doubt-The fact that

Marquette Airlines by TWA. Dr.

### Seattle Organizes Air Route Demand

> Line Charge - Northwest Airceptions to the ecommerc' report.

Northwest interests seeking Seextensive Gov M. C. Walleren

personally. The personnel AVI. to value a \$369.664 "chest" to cam-Mearing Seep-Senster Warren

proposes to serve lagging, fishing sociation Aircraft Year Book, for 1948-

POST-WAR OCCUPATIONS CHOSEN BY AAF RETURNEES



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# ...with your new G-E personal plane radio

Tomorrow, aviation will provide the arrasest flexibility of transporthe corner. · Whatever type of plane you fir. whosever the purpose of your flinks. Avistion Equipment will add inmeasurably to your convenience and · Your General Blectric personal plane radio will be malti-purpose. will spable you to follow the radio

trimment. And it will be compact • For your copyrenience and enjoypersonal plane granufacturers will use G-E 2-war radio to their new

The G-E managram flies in all U. S. Army and Navy aircraft



AVIATION NEWS . October 1, 1905

# RETRIEVER PLANE

Ship-of-all-work

knosa 127'6, Calumbia Australi's apriycherry, the Duck is skip-of-ell-work. Be-

70 Yards for Landing Our Dark harded in securing seas,



a sporter Agestion handed in a reef.



building the new and over more versatile Next day the Buck was still aftern had to be eask he shells from a wording

Septching Wounded from Japa loded table ways.

It was a Dark that found the Nasi

### WANTED MECHANICAL BRAFTININ CHECKERS \*\*\*\*\*\*\*\*

GAS TURBINES and

INTERNAL COMBUSTION AURCRAFT POWER PLANTS

Address Latter To. INSPERING DIPARTMENT s./s fewerpoons Other faneryner

New WAL C-54's Planned By Douglas Western Air Lines and Dauce

there, benefits Western, are Na-

Adventage Seen -- Officials of

been completed Should Civil ing fields, beacons and VHF radio



Chasing the sun

rureline at 1.40 rules an house-yet the The existing office of the Mississippi

a little. Soon vooree lookang down on

soon copped rounties. "How about a

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the Stratocraser is capable of correing a DE MARIE OF THE SAIR AND PROPERTY OF THE PARTY OF THE SAY OF AND ADDRESS OF THE PARTY OF THE SAY OF





er as a NIIT



SERVETS are parameter among blood formation.

This is the whole story

MELFLEX PRODUCTS CO. ALL PROPERTY AND ADDRESS FOR

Finners Air Lines has opened a Northwest Airlines is pleasured Branit Airways has published a Micwisi amport, New that its width can be increased

be near the deer. - . . 1944. Mail and expens pundage Delta Air Lenes plans to cut on

rates, up 16 percent.

month traffic gains and attributes

August, 1944, \$724,042 Net profit

for first eight rooglis of this was eagly sporths of last year after \$220,-

AVIATION NEWS # October I, 1965



# THE TEST TUBES OF TODAY - TOMORROW'S AVIATION HISTORY

of-power . . , Jet propulation. Tadon's Facil in Yesterday's Plane Yesterolon's Facil in Techny's Plans

Today's Fuel in Teday's Plans

AVIATION NEWS # October 1, 1965

eviction feel from the Materials.

You will find the broad of advanced

50 - TRANSPORT

received \$1,000 in war bonds and

safety record The lime fleet 97.8

DARMELL

CASTERS FREE

days

MANUAL CORP. 170

WHERE ST. SEW YERS

IS D CLINTTE CRICAGO II

LEAS MACH CALIFORNIA

Mills Field Usage



Island as a Navy bose, and inof Run Francisco within two years

# LET'S KEEP AMERICA STRONG IN THE AIR!

CONSOLIDATED VILLEE AIRCRAFT CORPORATION HAL Announces Top Post Changes

Two changes us the ton nevgo-

Thompson's regretion effecof aurkays arraysty of which 17 bills us a diversor in the National

state and local sariane taxation,

b Wider Scape - Fix new duties

Ingalls to Bluegrass Airlines

ing. The remend feeder company, beard at Rumellville, Ky.

500 miles of routes will resume. Geograpia Gas Taxarion about Oct. 10. Inpolls for four years, to March, 1845, was very

Get. L. Stril argement in Richer Meastain. Arm accounting. Protocols from Scat. 20 Christian (M. et al.)

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Linksample, 14 Charlet 5th et al.)

201 I. Tyttishing maleutes in Essel reter qualities of service manuscripes at
Christian and Magnations W. Va.

202 April 1991 Gooder String | L. Director over Posts | Property of the Prope

Probe the is Collegen-Stee York Posterned from the L. Charles St. Brists dur in Brain Adminis reals the Chicker First of all the Court men. He Court court men. He Court of the Court men. He Court of the Court men. He Court of the Court

the little of the French of the Star 1 EXPERIINCE ADAPTABLE

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P-157, AVIATION NEWS

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set as re-plets, dates pilets, chartes

and only representatives. They will und service in the comby, Smith ere referees, and hence of the war. WILL YOU GITE AIR PERSONNEL & SALES, INC.

### The PAC Looks Ahead

THE PERSONAL AMERICA COUNTY OF the Autoraft Indistrict Association opens a two-day meeting in Washington today to map plans for the pest few after four war years. That long ducussed post-war estimens as a competitive, aggressive and progresave group of manufacturers can interest in aids. comfortable, useful and reasonably priced aircraft. The Personal Aircraft Council in its short history has performed a sagual service in uniting to a surunitum and their refunal to face their common peublems together. The murbers of PAC are deserving

working together on a pragram of broad policy It is particularly poleworthy that the Council as a group has rigidly refrained from pointing in the field could come true, or before personal flying or manuaniferner, the problem of lending facilities had to be

Therefore, the rumber one netroity has been in two, large and small, the absolute necessity of pro- ulmost conpersion of the food base operators in viding a leading facular communicat with bond gam, what should be a national educational treatmen for name conditions and recollements and record to milets expendity for discharged Army and Navy fire exerting every effect to see that each interest, once aroused, would follow through to the desired con-With the fundamental program well underway.

mote goal concerned extreme and unnecessarily rea netret force on a currenters of all interests-manuafacturing, selling and consuming-which has been to show a success which even the most estimate than might have been hoped for, the Council still has kept close brack with developments and initiated pointion to close the local signorts completely

by almost 1.303 newspapers.

The success of the Council during the years when dent for the future. With the war won, and only commercial beginns about the Countil now has an the story of personal aviation to the grassroots and

## Prevent Reckless Flying

D REREIGH AND LOW PLYTHE IS INCOMMENT OF SELECTION. Ruse rate in the opinion of state system officials of public tribate for the unity they have displayed in many areas is showing principal signs of crystallights the brust of ordicases. This roung tide of public intons which result in stiffing plans for new private

Whole reaffers for hightulance is an obvious anower to the name problem, the recition pilot who perers whose exiderance in small low-powered Gress-Accesers appears to be exceeded only by their mex-

As pointd out by William L. Anderson, executive step to be action by state and local police forces: These groups have little understanding of swintign neivate flying back immeasurably. But the problem is serious, and is becoming wome. The operators at come from careful pilots, but by community public

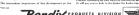


# STROMBERG CARRURETOR RESEARCH

. . . cancelled out gravity and inertia effects in aircraft carburation

remplete place reneralizability was requestly without The Streethern Injection design citratured force and the feel level control proposeds need as endown tors, so that require performance then become such penalties of the ottetude of the phose and the effects of species.

effections of an indicate states are mable represent The assessment of Mensalogic countage removed in all odo, and skill of Streetiers outstoon-engine perferes Consult Stranderer on over fact fred and control problems.











# Serving the Heart of America

ID-CONTINENT Airlines' recent extension of service to New Orleans now links the producing sections of the great middle-west with one of the world's busiest seaports. The route is flown with 21-passenger Douglas DC-3 airliners and will be of vast importance in the postwar era, as well as in the immediate development of America's might.

Now approaching its tenth birthday, progressive Mid-Continent Airlines has for years flown its planes exclusively with Texaco Aircraft Engine Oil and Texaco Aviation Gasoline. We take pride in our long association with Mid-Continent and in the fact that Tevaco products are so outstandingly preferred by so many of America's leading airlines that -

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# RECONVERSION RUSTPROOFING

4 Points to Remember 1. Ordnance Specification P.S. 300-4 contains official instructions for the complete processing of Government-owned production

equipment.

- 2. These instructions require that only rustproofing materials meeting Government specifications be used.
- 3. Texaco rustproofing products meet Ordnance specifications for application on Governmentowned equipment.
- 4. For full information, see your Texaco representative or write to us.



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